Route 27 / Route 244
Bridge Design
Aesthetic Considerations

VDOT Project Number:
0027-000-V01, PE 101

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RT. 27/ Rt. 244 Bridge Study

Aerial

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Design Considerations:

- Structure: Steel Girder
- Parapet Design
- Freedman Theme
- Curvature in Horizontal Alignment of the Bridge
Veterans Bridge

Location: Springfield, Virginia
Veterans Bridge
RT. 27/ Rt. 244 Bridge Study

Veterans Bridge

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Veterans Bridge
I-66 Pedestrian Plaza

Location: Rosslyn, Virginia
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I-66 Pedestrian Plaza
I-66 Pedestrian Plaza
RT. 27/ Rt. 244 Bridge Study

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I-66 Pedestrian Plaza
Route 60
Pretty Lake Bridge

Location: Norfolk, Virginia
RT. 27/ Rt. 244 Bridge Study

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Rt. 60 / Pretty Lake Bridge
RT. 27/ Rt. 244 Bridge Study

Rt. 60 / Pretty Lake Bridge
RT. 27/ Rt. 244 Bridge Study

Rt. 60 / Pretty Lake Bridge
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Rt. 60 / Pretty Lake Bridge
RT. 27/ Rt. 244 Bridge Study

Rt. 60 / Pretty Lake Bridge

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George Washington Memorial Parkway / Humpback Bridge

National Park Service

Location: Washington, D.C.
RT. 27/ Rt. 244 Bridge Study

George Washington Memorial Parkway / Humpback Bridge
RT. 27/ Rt. 244 Bridge Study

George Washington Memorial Parkway / Humpback Bridge
RT. 27/ Rt. 244 Bridge Study

George Washington Memorial Parkway / Humpback Bridge
Conceptual Design for the
Restoration of the Richmond Canals

Historic Richmond Foundation

Location: Richmond, Virginia
RT. 27/ Rt. 244 Bridge Study

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Restoration of the Richmond Canals
RT. 27/ Rt. 244 Bridge Study

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Restoration of the Richmond Canals
RT. 27/ Rt. 244 Bridge Study

Restoration of the Richmond Canals
Historic Jamestowne Island
- Entrance Sign
Example of Form Liner Use
RT. 27/ Rt. 244 Bridge Study

Example of Form Liner Use
Example of Form Liner Use
Example of Form Liner Use
Colonial Williamsburg Visitor Center Pedestrian Bridge

Williamsburg, Virginia
Pedestrian Bridge
Site Photos
RT. 27/ Rt. 244 Bridge Study

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Site Photos
RT. 27/ Rt. 244 Bridge Study

Site Photos
RT. 27/ Rt. 244 Bridge Study

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Site Photos
Conceptual Bridge Design
RT. 27 / Rt. 244 Bridge Study

Collection of VDOT Signage

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RT. 27/ Rt. 244 Bridge Study

Collection of VDOT Signage
Column Design #1
Column Design #2
RT. 27/ Rt. 244 Bridge Study

Column Design #3
RT. 27/ Rt. 244 Bridge Study

Column Design #4
RT. 27/ Rt. 244 Bridge Study

Column Design #6
Column Design #7
RT. 27/ Rt. 244 Bridge Study

Parapet Option #1

Create Shadows

Cast In Place

Steel Girder
Parapet Option #2

Form Liner
Parapet Option #3
Parapet Option #4

Form Liner
RT. 27/ Rt. 244 Bridge Study

Various Column Shapes
Various Column Shapes
Bridge Construction is independent of Memorial Pylon Construction.

Architectural Pre-cast Concrete Cladding attached to poured in place concrete column.
RT. 27/ Rt. 244 Bridge Study

Lower Column Example
RT. 27/ Rt. 244 Bridge Study

Alternative Wall Design
Bridge Elevation with Lower Columns